

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: CHEN, Chin-Yuan

SERIAL NO.:

FILED: Herewith

TITLE: GARDEN HOSE NOZZLE PROVIDED WITH A WHIRLING ACTION

PRELIMINARY AMENDMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In conjunction with the filing of the present application, and prior to an initial Official Action on this matter, please amend the above-identified application as follows:

Preliminary Amendment: SPECIFICATION AMENDMENTS

In Paragraph [0009], please amend the paragraph as follows:

FIG. 5 shows an exploded sectional view of FIG. 4.

In Paragraph [0010], please amend the paragraph as follows:

FIG. 6 shows a sectional view of a schematic drawing of the whirling design of the outlet of the present invention.

In Paragraph [0012], please amend the paragraph as follows:

FIGS. 8-9 show elevation views of the present invention at operation.

In Paragraphs [0014] to [0017], please amend the paragraphs as follows:

[0014] As shown in FIGS. 1-4, a garden hose nozzle ~~embodied in~~ embodies the present invention ~~comprises:~~

[0015] The invention includes an airbrush 10, provided with its outer flank provided with a grip 20 and its back end provided with a hose connecting end 11. The hose connecting end is connected to a conduit 12 within the airbrush 10, which is linked to a water valve 13. The water valve is equipped

with a water control post 14 that is subjected to the control of a control button 30 outside the airbrush 10 for its start-up/close state. A spring 141 is placed between the bottom of the water control post 14 and lower wall of water valve 13, so as to enable the water control post 14 to eject towards the control button 30 until a flange 142 of the water control post 14 stops at the shoulder 131 of the water valve 13;

[0016] The invention also includes a rotary outlet 40, provided at the front end of the airbrush 10. The end surface of the rotary outlet 40 is mounted with a spraying hole 41. As an independent component, the rotary outlet 40 is available with a connector 42 at one side of the airbrush 10. There is a water hole 43 within the connector linking to the spraying hole 41. To maintain an insert notch 15 as shown in FIGS. 4 and 5 at the airbrush 10's one side adjacent to the water valve 13, the insert notch 15 shall be available with a passage notch 16 connecting the water valve 13. And, the start-up and close state of the passage notch 16 shall be subjected to the control of water control post 14. The front end of the airbrush 10 is provided with a passage notch 17, where the connector 42 of the rotary outlet 40 can cross the airbrush 10, and then the above-mentioned insert notch 15. After the fixation by localizers, a whirling state that the connector 42 and rotary outlet 40 rotate round the insert notch 15 as shown in FIG. 5 will take shape, while the rotating angle is subjected to the limitation of passage notch 17;

[0017] The invention further includes an arc dent 44 ~~may be~~ provided at one side of the rotary outlet 40 facing the airbrush 10, thus enabling the front end of the airbrush 10 to be provided with a shape of arc convex 18.

IN THE ABSTRACT

On page 9, please amend the Abstract as follows:

A garden hose nozzle with a rotary outlet ~~comprises~~ includes an airbrush provided with a grip at its outflank and with a hose connecting end at its back end, a hose-connecting end connected to a conduit within the airbrush, which is linked to a water valve, and a water valve equipped with a water control post that is subjected to the control of a control button outside the airbrush for its start-up/close state. ~~The features of the present invention lie in: The outlet is of a rotary structure. As an independent component, the rotary outlet is,~~ available with a connector at one side of the airbrush. There is a water hole within the connector linking to the spraying hole. ~~To maintain an insert notch at the airbrush's one side adjacent to the water valve, the insert notch shall be available with a passage notch connecting the water valve. And, the start-up and close state of the passage notch shall be subjected to the control of water control post.~~ The front end of the airbrush is provided with a passage notch, where the connector of the rotary outlet can cross the airbrush, and then the insert notch. After the fixation by localizers, a whirling state that the connector and rotary outlet rotate round the insert notch will take shape, so the airbrush with similar grip state can offer flexible applications through variable spraying angle of its whirling design, with the purpose of meeting the customer demands.